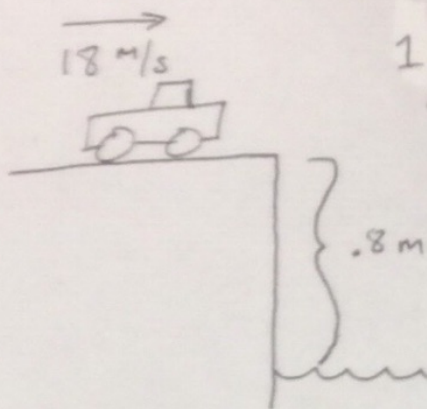
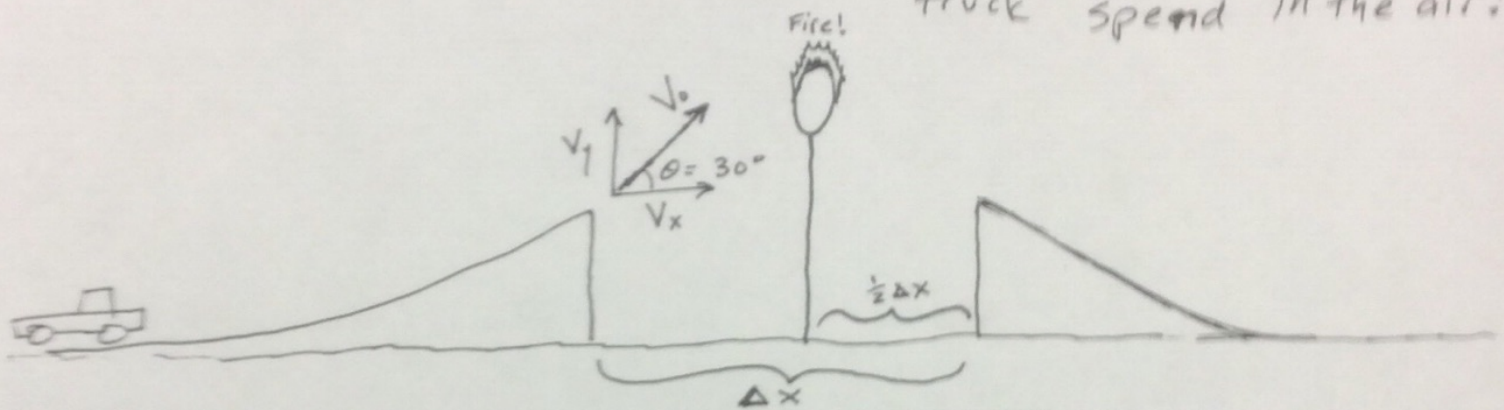


Cars



1.) How far will the truck travel before hitting the water?

2.) How much time will the truck spend in the air?



3.) The initial velocity of the truck off the ramp is $v_0 = 75 \text{ m/s}$ at an angle of 30° .

a.) What is the maximum Δx in order to successfully jump?

b.) Given the maximum Δx calculated in part a, how much time will the truck spend in the air?

c.) If a ring of fire is placed a $\frac{1}{2} \Delta x$, how high must the bottom of the ring reach?